

## ORGANIZING COMITEE

Juan Carlos Gómez-Estéban (Neurodegenerative Diseases Group - Biocruces HRI)  
Iñigo Gabilondo (Neurodegenerative Diseases Group - Biocruces HRI)  
Asier Erramuzpe (Computational Neuroimaging Group - Biocruces HRI)  
Rocío del Pino (Neurodegenerative Diseases Group - Biocruces HRI)

## SYMPOSIUM LOCATION

Salón de Actos  
Hospital Universitario Cruces  
Plaza de Cruces 12, Barakaldo (Spain)

Best option from Bilbao City Center:  
Subway: "Gurutzeta/Cruces" Stop



## REGISTRATION & CONTACT

Price: FREE  
Limited places to 80 attendees  
Deadline for registration: March 31st, 2018  
Registration is mandatory in order to be able to attend the symposium  
Register online in the ISAS2018 site: <http://isas2018.tk>  
For any questions about symposium & registration,  
email to [movdisorders.biocruces@gmail.com](mailto:movdisorders.biocruces@gmail.com)

## ACKNOWLEDGEMENTS

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Additional acknowledgements to the following institutions for their financial support in the research of synucleinopathies:



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(RRIA2014 10189)



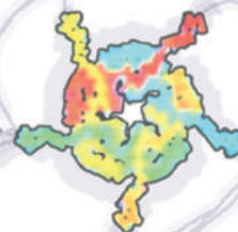
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# ISAS 2018

## II International Symposium on Alpha-Synuclein

Friday April 13th, 2018

Cruces University Hospital  
Barakaldo, Bizkaia (Spain)



<http://isas2018.tk/>

**biocruces**  
health research institute



**NEURO  
LAGUN**

<http://neurolagun.eus/>

## SYMPOSIUM PROGRAM

### 9.30 - 9.40 WELCOME

Alfredo Rodriguez-Antigüedad MD, PhD, Neurologist, Neurology Dep.,  
Cruces U. Hospital- Biocruces HRI (Barakaldo, Spain)

### 9.40 - 9.50 PRESENTATION OF SYMPOSIUM

Juan Carlos Gómez-Esteban MD, PhD, Neurologist, Movement Disorders  
Unit Cruces U. Hospital - Biocruces HRI (Barakaldo, Spain)

## PART 1: CLINICAL, PATHOLOGICAL & NEUROBIOLOGICAL PROFILE OF SYNUCLEINOPATHIES

### 9.50 - 10.10 SYNUCLEINOPATHIES AS A CONTINUUM: CLINICAL & PATHOLOGY PHENOTYPES

Juan Carlos Gómez-Esteban MD, PhD, Neurologist, Movement Disorders  
Unit Cruces U. Hospital - Biocruces HRI (Barakaldo, Spain)

### 10.10 - 10.30 E46K-SNCA MUTATION: HISTORY, CLINICAL PROFILE & PATHOLOGY

Beatriz Tijero MD, PhD, Neurologist, Movement Disorders Unit  
Cruces U. Hospital - Biocruces HRI (Barakaldo, Spain)

### 10.30 - 10.50 LRRK2 MUTATION: HISTORY, CLINICAL PROFILE & PATHOLOGY

Javier Ruiz-Martínez MD, PhD, Neurologist, Movement Disorders Unit  
Donostia U. Hospital - Biodonostia HRI (San Sebastian, Spain)

### 10.50 - 11.00 Questions & discussion

### 11.00 - 11.20 Coffee break

### 11.20 - 11.40 CELLULAR & MOLECULAR BASIS OF SYNUCLEINOPATHIES

Vikram Khurana MD PhD, Neurologist, Ann Romney Center for Neurologic  
Diseases, Harvard Medical School, Harvard Stem Cell Institute (Boston, USA)

### 11.40 - 12.00 PROTEIN MISFOLDING & PRION-LIKE MECHANISMS IN SYNUCLEINOPATHIES

Joaquín Castilla PhD, Neurobiologist, Prion lab - CIC bioGUNE.  
Proteomics unit., Scientific-Technological Park of Bizkaia (Zamudio, Spain)

### 12.00 - 12.20 ASTROCYTES & SPREADING OF ALPHA-SYN AGGREGATES

Fabio Cavaliere PhD, Neurobiologist, Laboratory of Neurobiology,  
Achucarro Basque Center for Neuroscience (Leioa, Spain)

### 12.20 - 12.30 Questions & discussion

### 12.30 - 13.30 LUNCH BREAK

## PART 2: NEW RESEARCH METHODS AND TREATMENT STRATEGIES IN SYNUCLEINOPATHIES

### 13.30-13.40 INTRODUCTION TO PART 2

Iñigo Gabilondo Cuéllar MD PhD, Neurologist, Movement Disorders Unit  
Cruces U. Hospital - Biocruces HRI (Barakaldo, Spain)

### 13.40-14.00 THE RETINA AS A WINDOW TO SYNUCLEINOPATHIES

Nicolás Cuenca PhD, Neurobiologist, Physiology, Genetics & Microbiology Dep.,  
Alicante University (Alicante, Spain)

### 14.00-14.20 PLURIPOTENTIAL INDUCED STEM CELLS IN SYNUCLEINOPATHIES

Rosario Sanchez Pernaute MD, PhD, Neurologist,  
Andalusian Initiative for Advanced Therapies (Sevilla, Spain)

### 14.20-14.40 OPTOGENETICS IN SYNUCLEINOPATHIES

Mazahir Hasan PhD, Biochemist, Laboratory of Memory Circuits -  
Achucarro Basque Center of Neuroscience (Leioa, Spain)

### 14.40-14.50 Questions & discussion

### 14.50-15.10 Coffee break

### 15.10-15.30 BRAIN MOLECULAR IMAGING & PERIPHERAL BIOPSIES IN SYNUCLEINOPATHIES

Iñigo Gabilondo Cuéllar MD PhD, Neurologist, Movement Disorders Unit -  
Cruces U. Hospital - BioCruces HRI (Barakaldo, Spain)

### 15.30-15.50 ANTI-AMYLOID THERAPY IN ALZHEIMER'S DISEASE: LESSONS LEARNED

Manuel Fernández MD, PhD, Neurologist, Dementia Unit  
Cruces U. Hospital - Biocruces HRI (Barakaldo, Spain)

### 15.50-16.10 ACTIVE & PASSIVE IMMUNOTHERAPY IN PARKINSON'S DISEASE

María Rosario Luquin MD, PhD, Centro de Investigación Médica Aplicada (CIMA),  
University of Navarra (Pamplona, Spain)

### 16.10-16.20 Questions & discussion

### 16.20-16.30 Closing remarks and farewell